

# **Joint Crediting Mechanism(JCM) toward higher ambition of NDC**

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**@UNFCCC Article 6.2 Ambition Dialogue**

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**Ministry of the Environment**

1. How does Article 6 contribute to raising ambition, and how has this been reflected in the development of new NDC 3.0 targets?
2. What role does Article 6 play in implementing NDCs and enhancing ambition in both the short and long term?

## [Short term]

- Introduction and sector-wide deployment of various decarbonized technologies

## [Long term]

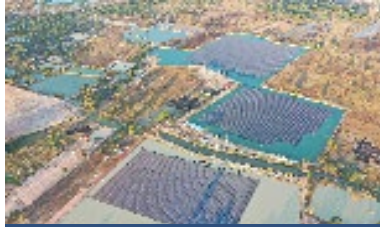
- Establishment of new standards

# Over 270 projects in 30 partner countries

## Renewable Energy



Solar power, FARMLAND Co., Ltd., Chile



Floating Solar PV, TSB Co., Ltd., Thailand



Hydro Power Plant, Toyo Energy Farm Co., Ltd., Indonesia



Biogas Power Generation, ITOCHU Corporation, Philippines



Binary Power Generation Project at Geothermal Power Plant, MHI, Ltd., Philippines

## Energy efficiency [Consumer sector]



Energy saving at convenience stores, Panasonic, Indonesia



High-efficiency refrigerator, Mayekawa MFG, Indonesia

## Energy efficiency [Industrial sector]



Optimization in petroleum refining plant, Yokogawa Electric Corp. Indonesia



Energy-saving of mobile communications base transceiver stations, KDDI Corp. Indonesia

## Effective Use of Energy

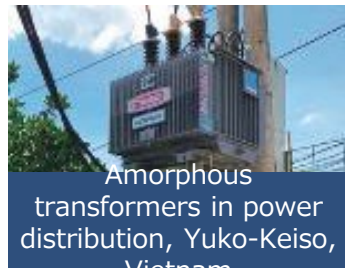


Gas Co-generation System and Absorption Chiller, Kansai Electric Power, Thailand

## Energy efficiency [Urban sector]



LED street lighting system with wireless network control, MinebeaMitsumi, Cambodia



Amorphous transformers in power distribution, Yuko-Keiso, Vietnam

## Waste



Power Generation with Methane Gas Recovery System, NTT DATA, Mexico



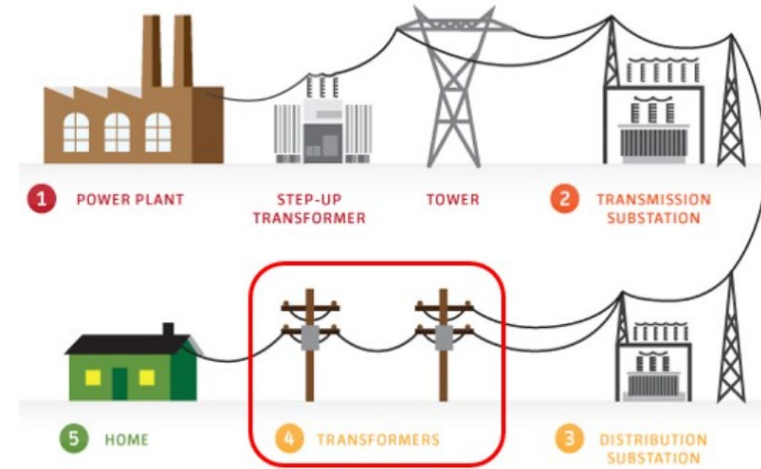
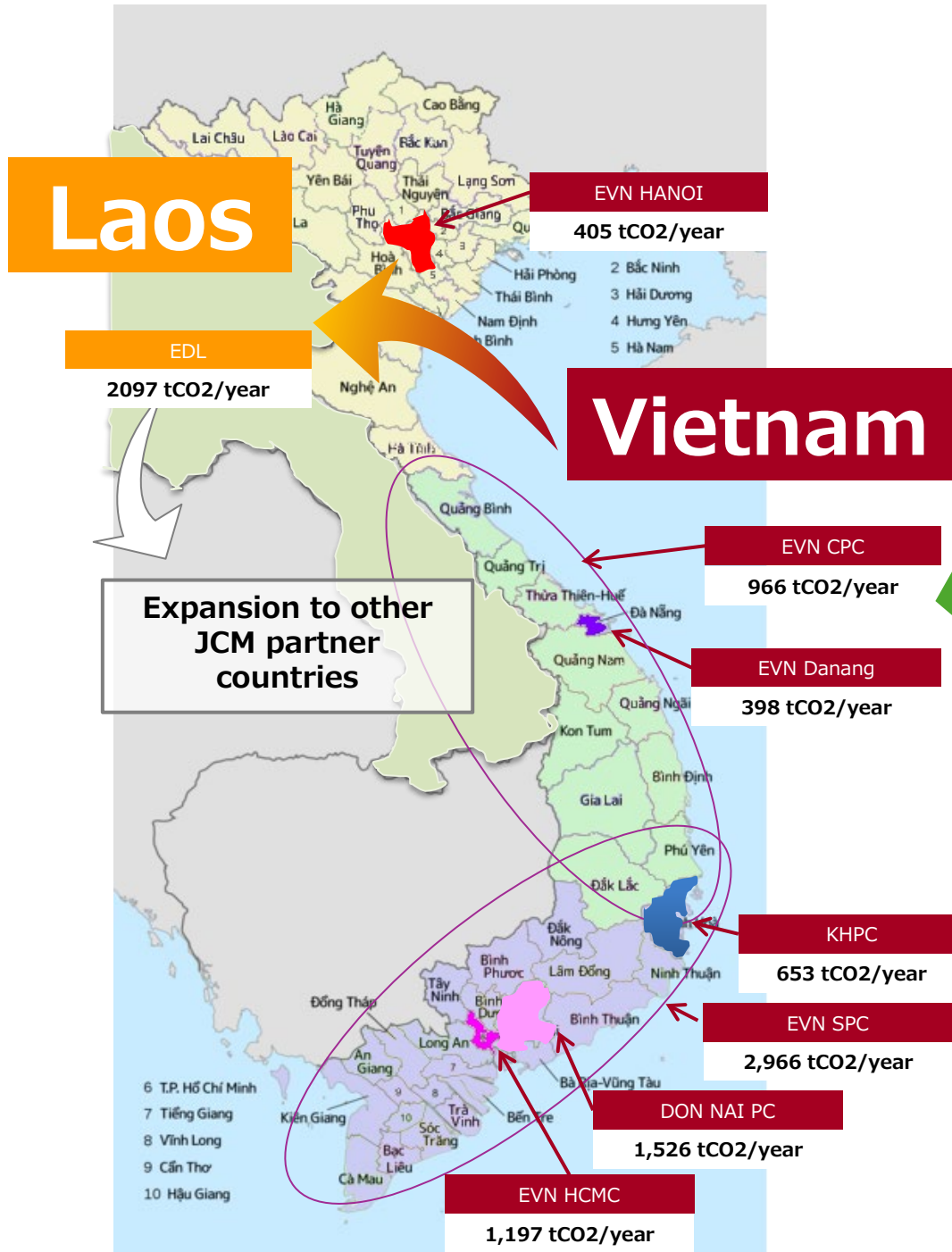
Waste to Energy Plant, JFE engineering, Myanmar

## Transport



CNG-Diesel Hybrid Public Bus, Hokusan Co., Ltd., Indonesia

# Amorphous transformer in Vietnam and Laos





3. What are the main **enablers** and barriers in developing or implementing Article 6 activities, and what lessons can be drawn from these experiences?

## **[Demand]**

- High NDC ambition
- Robust domestic compliance market (GX-ETS 2026)

## **[Supply]**

- Technology
- Finance
- Human resource

## **[Market]**

- Information
- Infrastructure

3. What are the main enablers and **barriers** in developing or implementing Article 6 activities, and what lessons can be drawn from these experiences?

|                    | Barriers                               | Solution                         |
|--------------------|--|----------------------------------|
| ① <b>Clarity</b>   | Unconfidence in acquisition of credits | Send upfront clear signal        |
| ② <b>Time/Cost</b> | Complicated process                    | Streamline process               |
| ③ <b>Resource</b>  | Constraint of human resource.          | Enhance mutual capacity building |